

Jackson Demonstration State Forest
Caspar Creek 2014 Timber Sale

Summary Of Sale Information

Bid Date:	February 20, 2014	Estimated Net Volume:	1,571 MBF
Minimum Bid:		THP Number:	1-13-079 MEN
Redwood	\$360 /Mbf	Information:	Julie Rhoads
Fixed Price:		Phone:	(707) 964-5674
Douglas-fir	\$40 /Mbf	Date:	1/20/2014
Whitewoods	\$40 /Mbf		

Table 1. Estimated Total Volume to be Harvested (Bf)

Species	Gross	Net	% Defect & Breakage	% Species Comp.
Redwood	1,105,179	961,510	13%	61%
Douglas-fir	574,109	499,470	13%	32%
Whitewoods	123,315	109,750	11%	7%
Totals	1,802,603	1,570,730		100%

Table 2a. Estimated Volume, Cable (Bf)

Species	Gross	Net
Redwood	773,495	672,940
Douglas-fir	399,820	347,840
Whitewoods	63,259	56,300
Totals	1,236,574	1,077,080

Table 2b. Estimated Volume, Tractor (Bf)

23%

Species	Gross	Net
Redwood	331,683	288,560
Douglas-fir	174,289	151,630
Whitewoods	60,056	53,450
Totals	566,028	493,640

Table 3. Estimated Acreage

	Plan acres	NSO Buffer	Other No-Harvest Buffers	Net Acres
Cable	168		4	164
Tractor	48			48
WLPZ	31			
Totals	247			212

Table 4. QMD by Species (not including estimated cable corridor volume ~6%)

Species	
Redwood	23
Douglas-fir	25
Whitewoods	16

GENERAL INFORMATION

The list below is not intended to be all inclusive and all requirements of the Caspar Creek Timber Harvest Plan (1-13-079 MEN) apply. Copies of Sections I and II of the THP as well as Major Amendment #1 are available by request from the State Forest headquarters or available via the internet: ftp://thp.fire.ca.gov/THPLibrary/North_Coast_Region/THPs2013/1-13-079MEN/. One complete copy will be provided to the LTO.

TIMBER HARVESTING PLAN

Item 14d: All harvest trees are marked with blue paint. This includes hardwoods which must be harvested.

Unmarked trees may be felled in the following situations:

- 1) To provide safe operating corridors for skyline cable operations. See CABLE CLEARANCE TREES below, Item 14g.
- 2) To provide stumps for cable-rigging purposes.
- 3) Compliance with Title 8 CCR, Logging and Sawmill Safety Orders.
- 4) As described in Item 14(g) below for damaged trees.

Item 14f: All hardwoods marked within the plan area are to be felled, topped, and may be removed on request.

Slash at tractor landings is to be spread on skid trails and packed with tractors. Slash at cable landings will be disposed of as directed by the Timber Sale Officer.

Item 14g: Trees Substantially Damaged By Logging Activities: Damaged trees may not be felled if within a WLPZ, if marked for retention, or if the damaged tree has a cavity potentially used by wildlife. Otherwise, merchantable young growth trees damaged during timber operations shall be felled and yarded as approved and directed by the plan submitter.

Downed Trees: There shall be no cutting or removal of existing unmarked down trees or logs. These logs may be moved if necessary for clearing truck road rights-of-way and as otherwise necessary to harvest the designated timber. If windthrow of merchantable trees occurs in the logging area prior to completion of operations, windthrown trees outside of the WLPZ may be harvested upon approval of the plan submitter.

Cable Clearance Trees: Any tree (within the THP area only) may be harvested/felled if necessary for cable clearance, except for trees located within a WPLZ. Trees located within a WLPZ shall not be felled for cable corridors unless they directly impact the safety of cable yarding operations. These trees felled for safety may be harvested. No trees located within the channel zone of a class I or II watercourse may be felled for cable clearance. Compliance with all other applicable Forest Practice Rules and requirements in the THP is required.

Item 15: SOD Compliance: LTO is responsible for ensuring all vehicles are free from regulated host material. If logs will be delivered to a destination other than stated a minor amendment is required.

Item 16: With prior approval of the Plan Submitter's designee, the LTO may cable yard any area designated for ground based yarding provided it will afford equal or greater protection to the soil and residual stand.

Item 18: Soil stabilization treatments required under item 18 will be accomplished with weed free straw. In the THP the coverage rate states at least 90% of the surface to a depth of at least three inches. However, the requirement stated in the Timber Sale Contract shall be met: 95% surface coverage to a depth of at least four inches.

Traveled surfaces of logging roads shall be treated for dust abatement and kept in firm condition.

All waterbreaks shall be installed no later than the beginning of the winter period of the current year of timber operations.

Installation of drainage facilities and structures is required from October 15 to November 15 and from April 1 to May 1 on all constructed skid trails and tractor roads prior to sunset if the National Weather Service forecast is a "chance" (30% or more) of rain within the next 24 hours.

Item 21: All tractor operation restrictions apply

Item 23: Year-round wet weather restrictions apply and shall be adhered to.

A winter operating plan is included in item 23 and shall be adhered to.

Item 25: The THP contains road related map points.

Item 26: A limited number of trees have been marked for harvest within the WLPZ. See Item 14 for cable corridor trees.

There is an approved drafting plan for MP 58. A water drafting plan and a 1611 permit are currently under review. Additional approved sites will be amended into the THP.

Item 30: Slash created within 100 feet of County road 408 and within 50 feet of gated JDSF roads shall be lopped within 30 inches of the ground.

Item 32: No timber operations shall occur until Northern Spotted Owl (NSO) protocol surveys have been completed for the current, and/or immediately preceding survey period, the results have been provided to CAL FIRE to be evaluated for consistency with the plan and the protocol, and the results have been amended into the plan.

There is a 3 acre patch of marbled murrelet habitat approximately 400' south of JDSF Road 640 (the preferred haul route). This habitat was the subject of a CDF&W consultation that has now expired. Previous survey work recorded no murrelet occurrences. JDSF is in the process of acquiring a new CDF&W marbled murrelet consultation. The habitat was surveyed in 2013 with no murrelets discovered. One additional year of survey work shall be completed by mid-July 2014. Operations on road 640 within ¼ mile of the murrelet habitat are subject to the requirements of the CDF&W consultation that is currently under review. Timber operations within the restriction zone of the Road 640 Marbled Murrelet habitat on shall be limited to those as described in a consultation letter from CDFW which meet conditions of acceptable noise levels. This consultation letter will be amended into the THP. Initial indications from CDF&W staff are that hauling will be allowed, but the use of engine breaks will be restricted within 500' of the habitat area. The consultation is anticipated to be complete by the first week in February 2014.

Item 33: All snags within the timber harvest area shall be retained with the exception of snags that pose a fire or safety hazard. If the LTO determines a snag to be a hazard, the LTO has the option to fall the snag for safety purposes.

Item 36: A meeting is required prior to operations.

TIMBER SALE AGREEMENT

Page Item Description

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| 3 | 2D | All timber scaled by "third party" scaling organization, using Revised Scribner Decimal C Log Rule. |
| 3 | 3A | All merchantable timber designated for cutting shall be paid for, cut and delivered on or before June 30, 2015. This date may be extended or the required volume may be adjusted mutually by the STATE and the PURCHASER due to unforeseen circumstances. All other timber operations must be completed by November 15, 2015. This Agreement shall terminate on April 16, 2016, by which date all requirements of the Agreement must be completed. |
| 4 | 3B | Notification and permission is required for operations on weekends or State holidays. |
| 5 | 7 | <p>Provide production and cost data with respect to all timber harvesting operations and other forestry activities. Required data includes person-hours and equipment-hours spent on each activity, and applicable rates for employees, machines and supervision, and costs for any materials or services needed for completion of activities.</p> <p>Daily water use data with respect to water drafting activities shall be provided.</p> |
| 5 | 8 | Domestic Processing of timber is required. |
| 6 | 10 | The minimum log dimensions for utilization is 10 feet in length and 8 inches in small-end diameter. |
| 7 | 11B | <p>Payment for scaling and reporting services performed by the scaling organization shall be made by the Purchaser.</p> <p>The PURCHASER shall make a single payment of \$3,100.00, regardless of the level of harvest activity on this sale; this payment shall be made to the Mountain Western Log Scaling and Grading Bureau of Roseburg, Oregon within 7 days of contract approval.</p> |
| 8 | 11I | At least three loads scaled within the previous five operating days shall be left rolled out in the mill yard where scaled to facilitate check scaling, unless otherwise approved by the Sale Officer. |
| 8 | 11J | Conduct a minimum of one check scale per month per scaler by the scaling organization, during the operating season, to document scaler proficiency. |
| 9 | 11P | Weekly reports of faller days and volume by unit. This information to be available for collection by the Timber Sale Officer or delivered to State Forest HQ no later than the following Tuesday. |
| 10, 11 | 13A | <p>All terms, provisions and requirements of the Forest Practice Rules and the Timber Harvesting Plan (1-13-079 MEN) are made part of the Timber Sale Agreement.</p> <p>Upon completion of operations satisfactory to the Timber Sale Officer, the operator shall certify by letter to the STATE, all operations are complete and comply with Forest Practice Rules and THP.</p> |

<u>Page</u>	<u>Item</u>	<u>Description</u>
11	13A1	A pre-work conference to be attended by representatives of the State and the Purchaser, including subcontractors is required before operations can begin. A logging plan is required to be submitted to the Timber Sale Officer at least two working days prior to the pre-work conference.
11	13A2	No timber operations shall be conducted after January 31 of any year until the State or the Purchaser has completed required surveys for northern spotted owls, and extension of the No-Take determination has been received from the appropriate reviewing agency. Operation within on JDSF Road 640 within the Marbled murrelet restriction are subject to the requirements of the CDF&W consultation that will be a minor amendment to the timber harvesting plan.
12	13A3	Flagging of all skid trails required at least two weeks in advance and notify the Timber Sale Officer for approval.
12	13A5	Minimum distances between new skid trails is 100 feet, unless waived by the Sale Officer. Erosion control requirements apply year-round. Erosion control structures shall be installed on all skid trails and temporary or seasonal truck roads within 30 days of completion of their use, or at the end of day if the U.S. Weather Service forecast is a "chance" (30% probability or more) of rain before next working day or at any time that the equipment needed to install such structures leaves the sale area.
12	13A7	Merchantable trees felled and bucked to log lengths, limbed to the 8-inch top, and the top bucked at the time of felling.
12	13A8	All slash created by timber operations within 100 feet of County Road 408 lopped to 30 inches above the ground. Slash within 50 feet of all other roads lopped to 30 inches above the ground.
13	13A9	Maximize the extent of spreading slash to avoid or minimize the need for piling and isolating slash for burning.
13	13A12	Location of cable corridors will be flagged, mapped and approved by Sale Officer prior to rigging. Distance between cable corridors, no less than 200 feet measured from the back of cable road.
14	13A13	Corridor width not to exceed 10 feet.
14	13A16	No permanent painted messages. Use temporary signs to be removed once their function is complete.
14	13A20	Mulching standard is at least 95% coverage to a minimum depth of four inches.
15	14	The PURCHASER shall pay \$15,000.00 to Green Diamond Resource Company for the propagation of redwood plug reforestation seedlings by December 15, 2014.
17	18D	All required culvert installations to be complete prior to log hauling on existing roads prior to October 15 of the first year of operations. Operation within the Marbled Murrelet restriction area shall comply with restrictions as stated in the CDFW consultation letter amended into the THP.

636 yd³ 1 ½" minus crushed rock and 146 yd³ of 8-12" riprap is called for to complete map point work.

<u>Page</u>	<u>Item</u>	<u>Description</u>
19	18G	Road surface must be treated for dust abatement. The purchaser may use surfacing chemicals for all roads as approved by the Timber Sale Officer.
18	18H	If the STATE cannot provide water for the roads and the Timber Sale Officer directs the purchaser to provide water from an alternative source the STATE will compensate the Purchaser \$270/mile that the Purchaser supplied water from an alternative source.
19	18I	The PURCHASER shall provide and apply one application of calcium lignosulfonate (lignin), or an equivalent dust treatment substance acceptable to the STATE as called for by the Timber Sale Officer for dust abatement. The treatment starts at the intersection of Caspar Orchard Road and the Caspar Logging Road, continuing on Road 550, 600, and through to the end of 600 at the intersection of County Road 408. If the PURCHASER selects to use an alternate haul route, and the Timber Sale Officer agrees that the route can be used with less miles of road receiving dust treatment substance, road rock shall be purchased to offset the value of surplus dust treatment substance. For each 0.1 mile of untreated road less than 6.75 miles PURCHASER shall purchase and deliver to a location within the Caspar Creek drainage specified by the Timber Sale Officer 5 cubic yards of ¾ inch minus road rock.
20	18J	Maintenance work to be done within 15 days of end of hauling operation on each road and immediately on completion of hauling on any road after October 15.
20	18L	The PURCHASER shall maintain existing permanent and seasonal roads as prescribed in the Timber Harvest Plan and the Timber Sale Agreement.
20	18M	The PURCHASER shall comply with an encroachment permit from the Mendocino County Department of Transportation for the maintenance work on six existing road encroachments located on the west side of County Road 408.
22	21	In addition to required fire tools complement, have available to the sale area for fire suppression purposes a "water wagon" or similar self-propelled vehicle of at least 1,000 gallon capacity.
23		Materials list.
24-26		Map Points.
36	1	A deposit of \$15,000 must be submitted with the bid.
37	3	Furnish STATE copies of Timber Yield Tax calculations and reporting forms.
41	4	Performance security of \$30,000 required prior to contract approval.

Caspar Creek Flagging Code

DESIGNATED ACTIVITY	FLAGGING COLOR
Timber harvesting boundary	Pink-glo Site-Mark® "TIMBER HARVEST BOUNDARY" in black lettering
Class I, II, and Springs WLPZ	Blue/white stripe Site-Mark® "LAKE AND WATERCOURSE PROTECTION ZONE" in black lettering & solid orange
Class III watercourse	Blue/white polka-dot
Tractor road (skid trail)	Yellow Site-Mark® "SKID TRAIL" in black lettering
Road grade centerline	Orange Site-Mark® "TRUCK ROAD" in black lettering
Landing at end of road	Three solid orange flags
Map Points	Solid orange and solid yellow
Equipment Exclusion Zone (EEZ) Equipment Limitation Zone (ELZ)	Solid red and solid white
Message/note	Pink/black stripe & white or yellow (combination)
Tractor/cable boundary	Red/white stripe
Unstable areas, protection zones (including NSO core zone)	orange/white stripe Site-Mark® "SPECIAL TREATMENT AREA" in black lettering